(19) World Intellectual Property Organization

International Bureau



! UND CHINDEN IN RECEID COM COM COM COM I II III COM COM I III II COM COM I II III COM COM I II II II II II II

(43) International Publication Date 3 March 2005 (03.03.2005)

PCT

(10) International Publication Number WO 2005/019829 A1

(51) International Patent Classification⁷: C12Q 1/48

G01N 33/68,

(21) International Application Number:

PCT/EP2004/009368

- (22) International Filing Date: 20 August 2004 (20.08.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/497,226

22 August 2003 (22.08.2003) US

- (71) Applicant (for all designated States except US): NOVAR-TIS FORSCHUNGSSTIFTUNG, ZWEIGNIEDER-LASSUNG FRIEDRICH MIESCHER INSTITUTE FOR BIOMEDICAL RESEARCH [CH/CH]; Maulbeerstrasse 66, CH-4058 Basel (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): AUWERX, Johan [BE/FR]; 195, rue du Moulin, F-67150 Hindisheim (FR). FRIGERIO, Francesca [IT/CH]; Schönaustrasse 67, CH-4058 Basel (CH). FUMAGALLI, Stefano [IT/CH]; Wettsteinallee 93, CH-4058 Basel (CH). KOZMA, Sara [BE/US]; 422, Hillcrest Drive, Wyoming, OH 45215 (US). PICARD, Frederic [CA/CA]; 7 rue Belleau, Levis, QC, G6V 4A8 (CA). STICKER-JANTSCHEFF, Melanie [DE/DE]; Stuttgarter Strasse 11, 79211 Denzlingen (DE). THOMAS, George [US/FR]; 16, rue des Pins, F-68220 Hésingue (FR). UM, Sung, Hee [KR/CH]; Schönaustrasse

67, CH-4058 Basel (CH). WATANABE, Mitsuhiro [JP/FR]; 131A route de Lyon, 1° Etage, F-67400 Illkirch-Graffenstaden (FR).

- (74) Agent: GRUBB, Philip; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.